

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046473.D
 Acq On : 03 Jun 2025 15:20
 Operator : JC/MD
 Sample : Q2160-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP04-MHG-WC

Quant Time: Jun 04 01:28:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

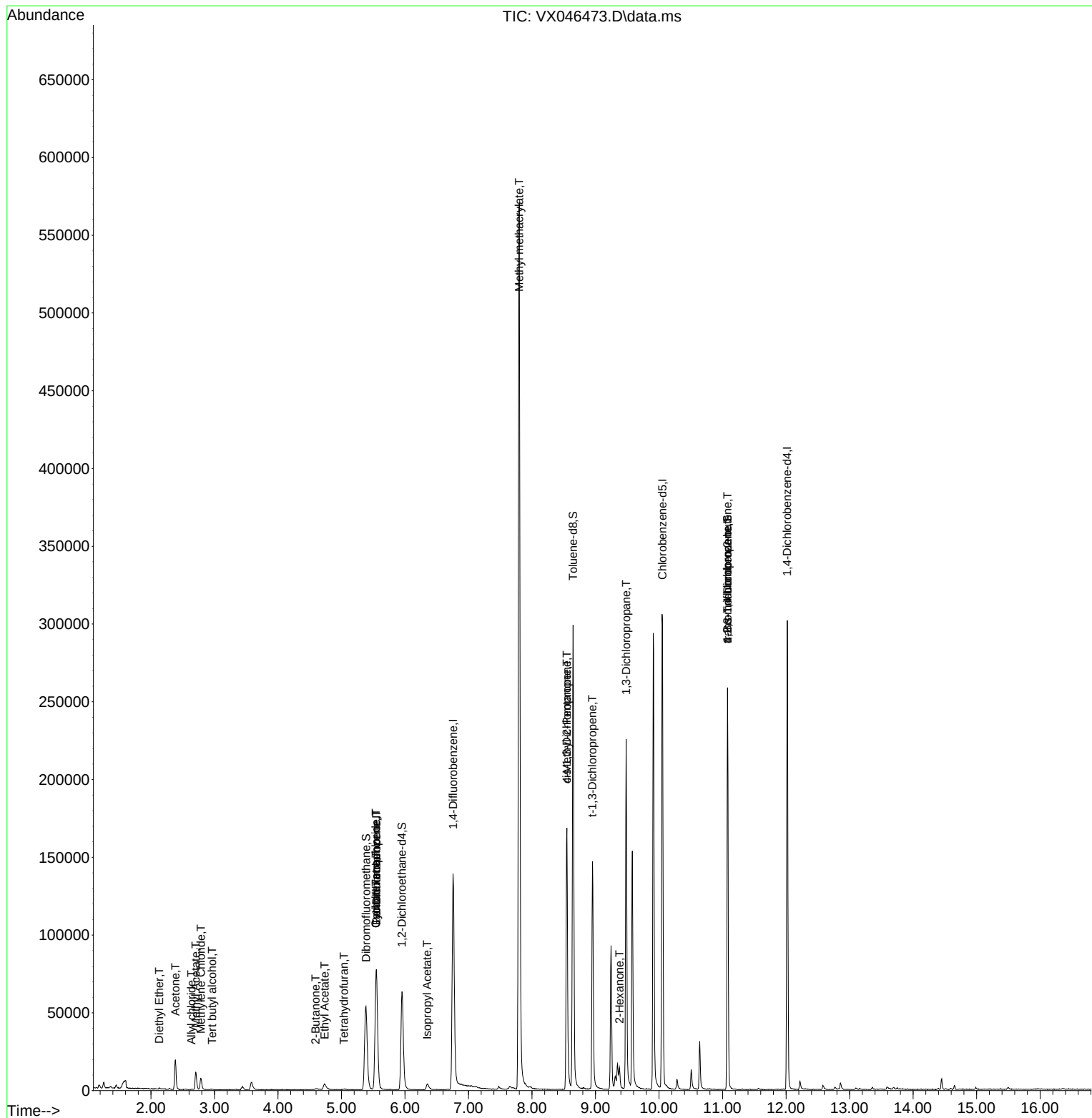
Internal Standards						
1) Pentafluorobenzene	5.549	168	65635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	130148	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64860	53.005	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.020%			
35) Dibromofluoromethane	5.385	113	47121	50.278	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.560%			
50) Toluene-d8	8.646	98	165203	50.929	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.079	95	67697	54.407	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.820%			
Target Compounds					Qvalue	
8) Diethyl Ether	2.129	74	155	0.340	ug/l #	13
11) Tert butyl alcohol	2.964	59	345	2.009	ug/l #	72
14) Allyl chloride	2.635	41	401	0.270	ug/l #	30
16) Acetone	2.385	43	21783	44.398	ug/l	96
18) Methyl Acetate	2.702	43	14227	12.496	ug/l	98
20) Methylene Chloride	2.788	84	3447	3.666	ug/l	96
25) 2-Butanone	4.592	43	1787	2.509	ug/l #	85
29) Tetrahydrofuran	5.037	42	331	0.742	ug/l #	56
31) Cyclohexane	5.543	56	1947	1.335	ug/l #	30
36) 1,1-Dichloropropene	5.549	75	6634	5.268	ug/l #	51
37) Ethyl Acetate	4.732	43	7569	4.865	ug/l #	81
38) Carbon Tetrachloride	5.543	117	7892	5.578	ug/l #	15
43) Isopropyl Acetate	6.348	43	5969	2.515	ug/l #	96
48) Methyl methacrylate	7.799	41	56123	46.301	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	65260	41.423	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	327	0.258	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	25645	18.323	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	1910	1.193	ug/l #	42
59) 2-Hexanone	9.378	43	9796	8.404	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	38004	28.284	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	38004	92.085	ug/l #	1

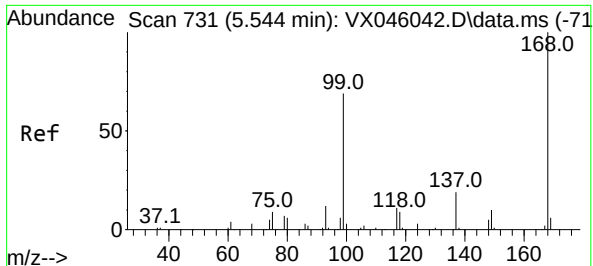
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Jun 04 01:28:35 2025
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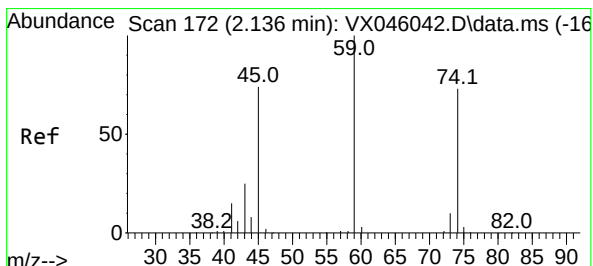
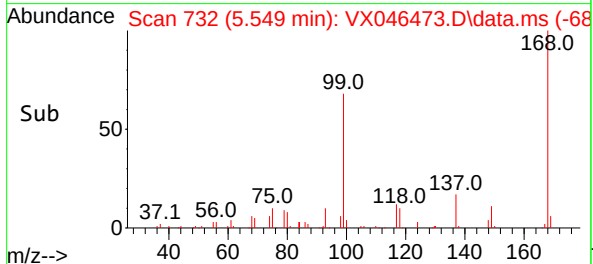
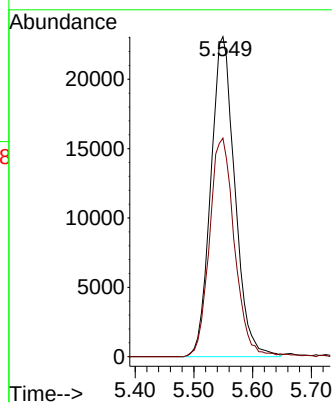
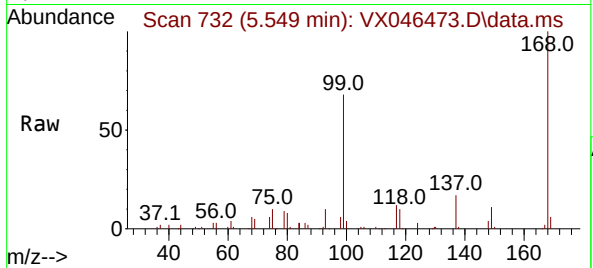




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

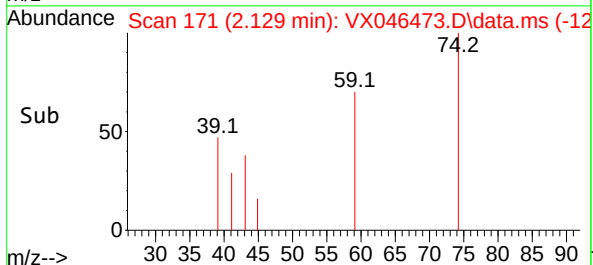
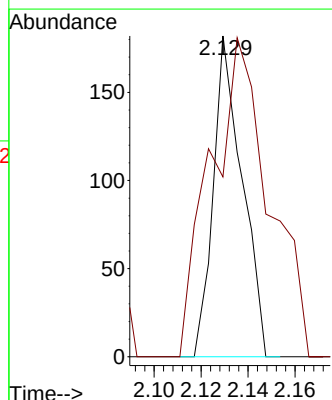
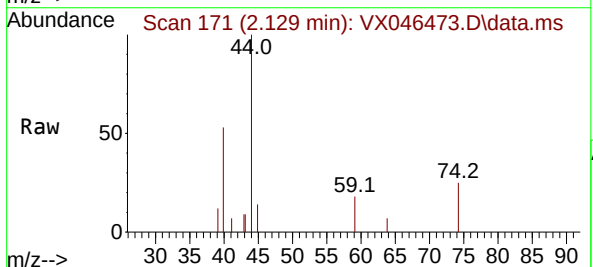
Instrument :
MSVOA_X
ClientSampleId :
TP04-MHG-WC

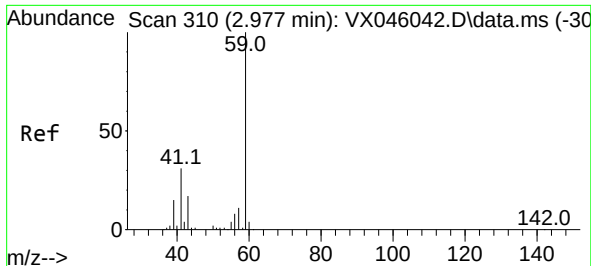
Tgt Ion:168 Resp: 65635
Ion Ratio Lower Upper
168 100
99 68.3 54.9 82.3



#8
Diethyl Ether
Concen: 0.340 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.007 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Tgt Ion: 74 Resp: 155
Ion Ratio Lower Upper
74 100
45 201.3 54.9 164.8#

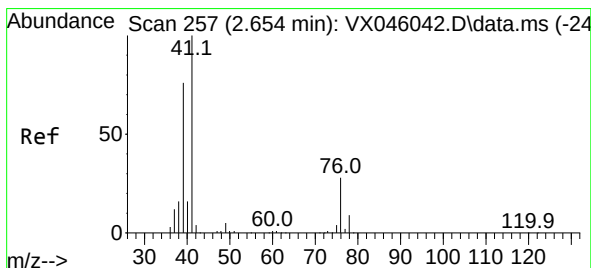
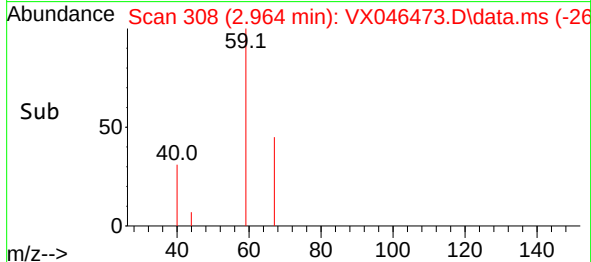
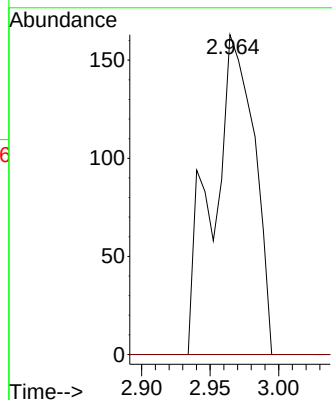
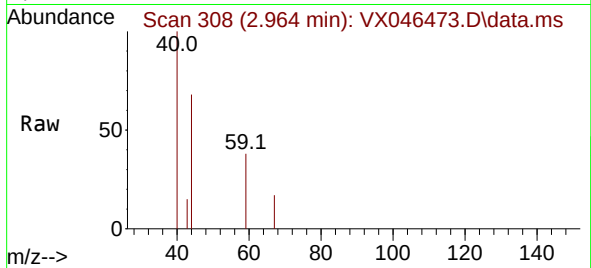




#11
Tert butyl alcohol
Concen: 2.009 ug/l
RT: 2.964 min Scan# 308
Delta R.T. -0.013 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

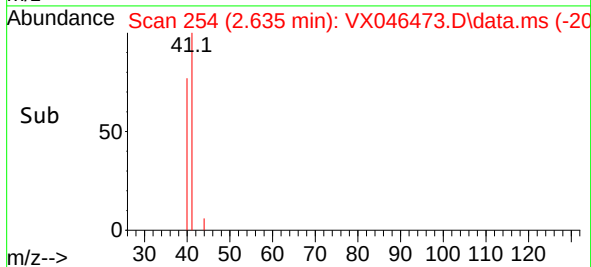
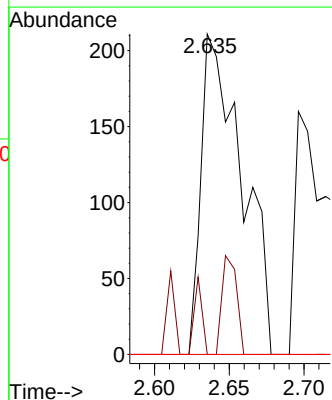
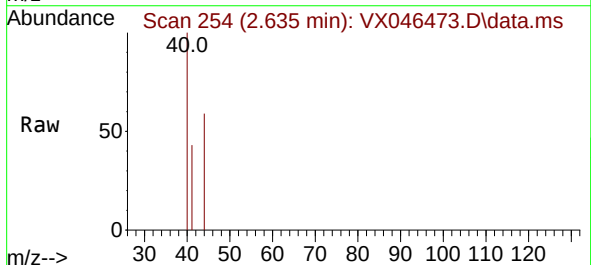
Instrument :
MSVOA_X
ClientSampleId :
TP04-MHG-WC

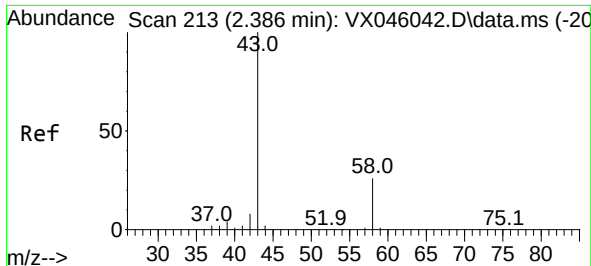
Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#14
Allyl chloride
Concen: 0.270 ug/l
RT: 2.635 min Scan# 254
Delta R.T. -0.019 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Tgt Ion: 41 Resp: 401
Ion Ratio Lower Upper
41 100
39 11.0 60.6 90.8#
76 0.0 24.9 37.3#

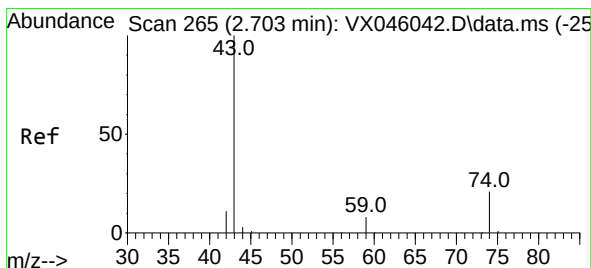
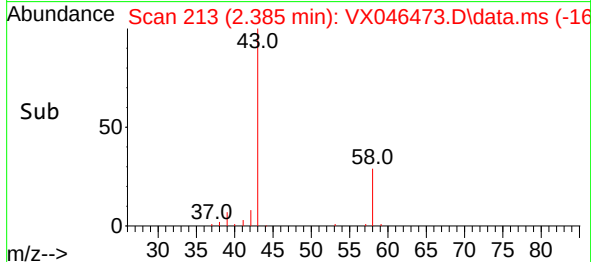
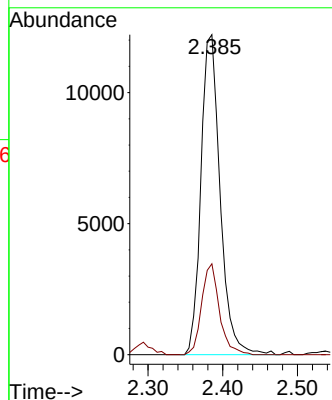
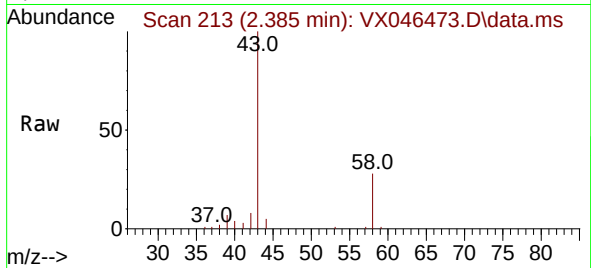




#16
Acetone
Concen: 44.398 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

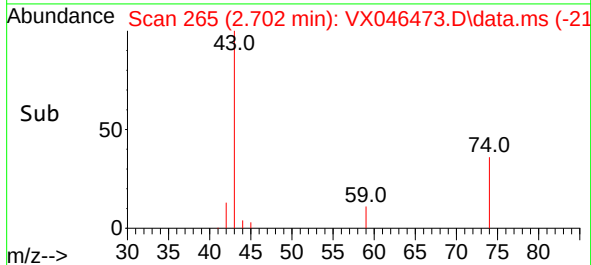
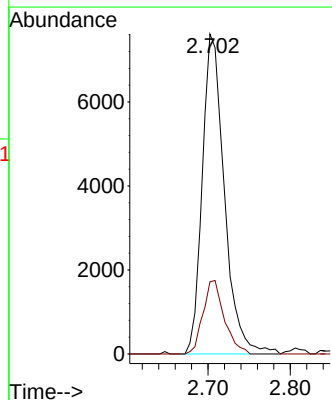
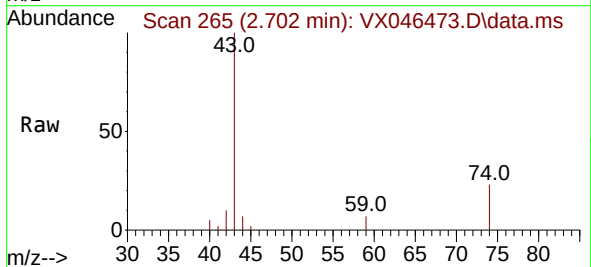
Instrument :
MSVOA_X
ClientSampleId :
TP04-MHG-WC

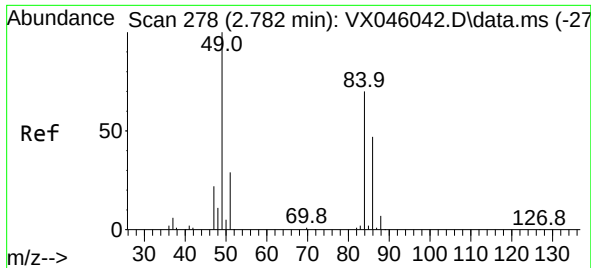
Tgt Ion: 43 Resp: 21783
Ion Ratio Lower Upper
43 100
58 28.4 21.2 31.8



#18
Methyl Acetate
Concen: 12.496 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Tgt Ion: 43 Resp: 14227
Ion Ratio Lower Upper
43 100
74 22.1 16.7 25.1



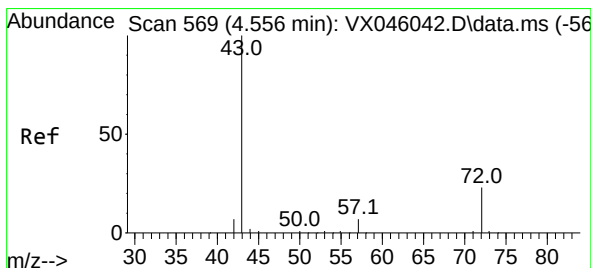
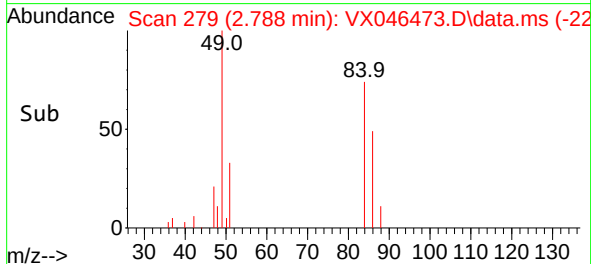
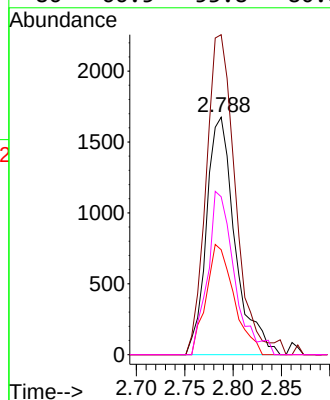
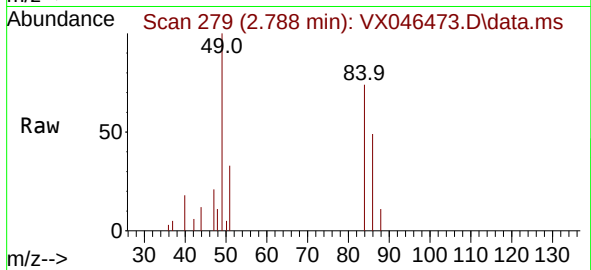


#20
Methylene Chloride
Concen: 3.666 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
TP04-MHG-WC

Tgt Ion: 84 Resp: 3447

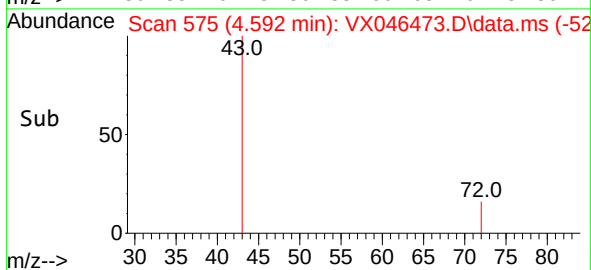
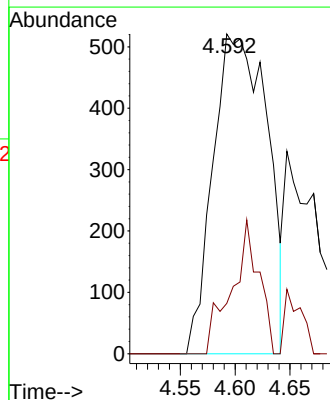
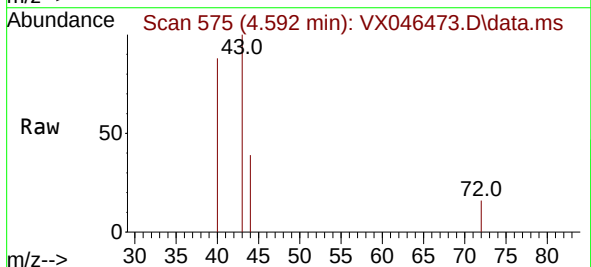
Ion	Ratio	Lower	Upper
84	100		
49	134.7	113.9	170.9
51	44.2	33.5	50.3
86	66.5	53.8	80.8

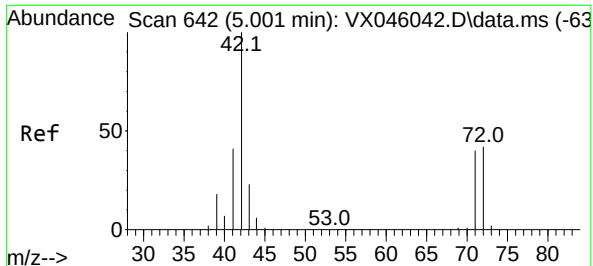


#25
2-Butanone
Concen: 2.509 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Tgt Ion: 43 Resp: 1787

Ion	Ratio	Lower	Upper
43	100		
72	15.7	18.4	27.6#





#29

Tetrahydrofuran

Concen: 0.742 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX046473.D

Acq: 03 Jun 2025 15:20

Instrument :

MSVOA_X

ClientSampleId :

TP04-MHG-WC

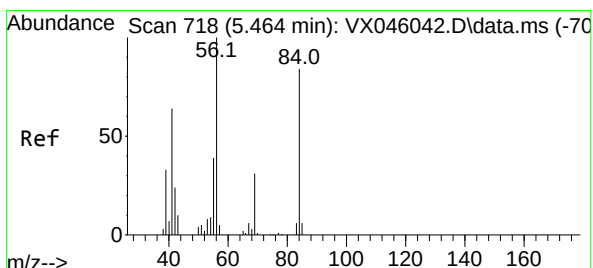
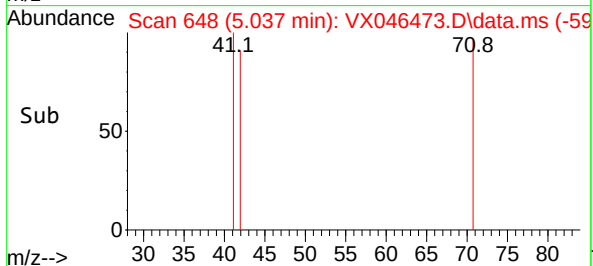
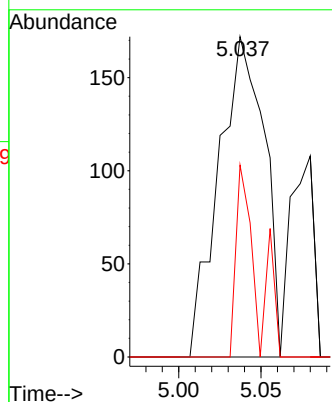
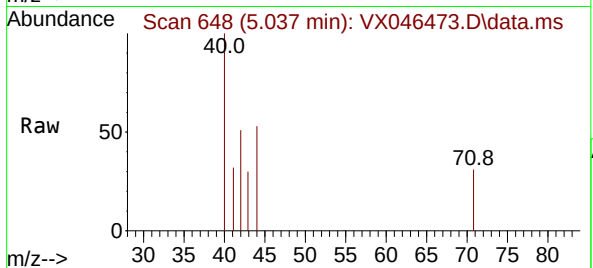
Tgt Ion: 42 Resp: 331

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 26.9 31.4 47.2#



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046473.D

Acq: 03 Jun 2025 15:20

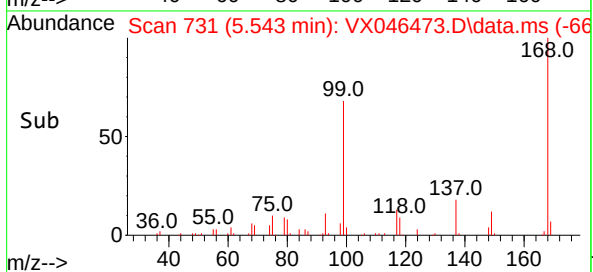
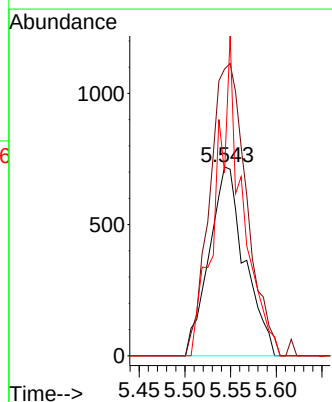
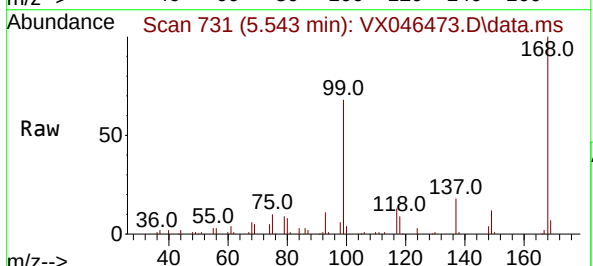
Tgt Ion: 56 Resp: 1947

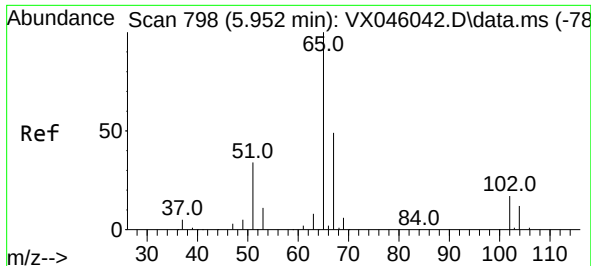
Ion Ratio Lower Upper

56 100

69 151.8 24.4 36.6#

84 97.1 66.9 100.3

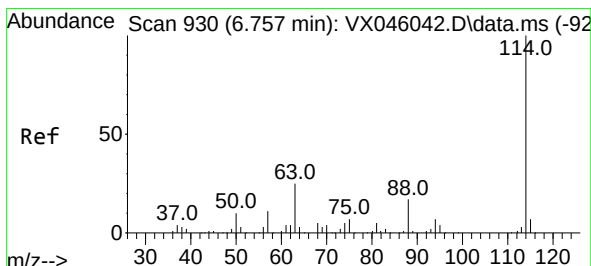
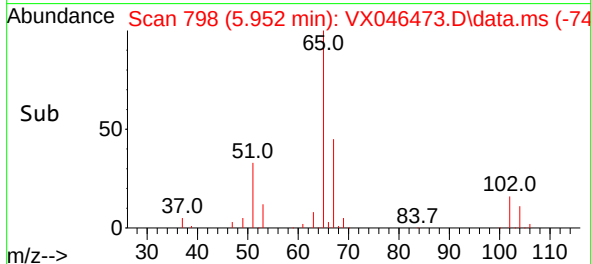
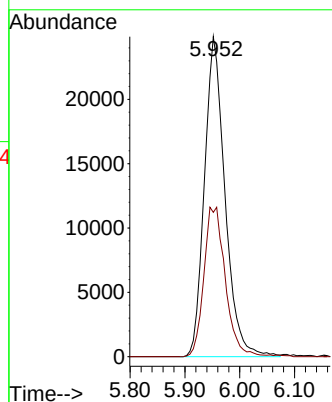
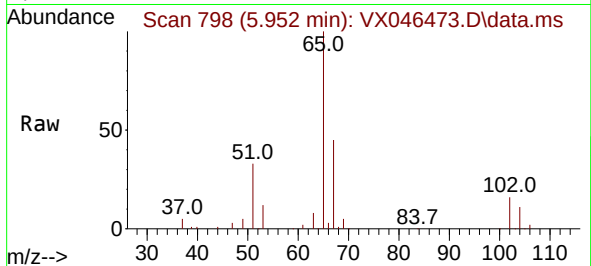




#33
 1,2-Dichloroethane-d4
 Concen: 53.005 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046473.D
 Acq: 03 Jun 2025 15:20

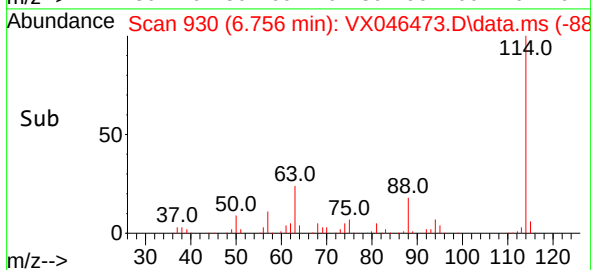
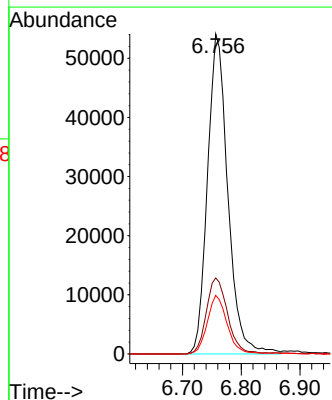
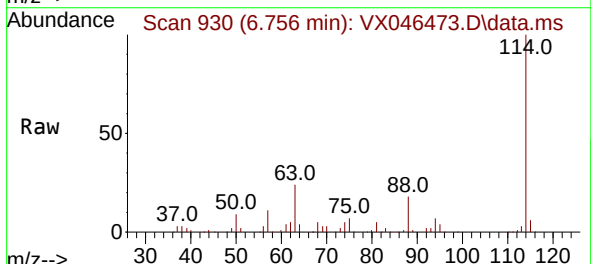
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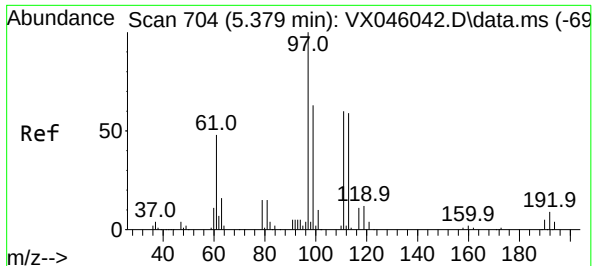
Tgt Ion: 65 Resp: 64860
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.756 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046473.D
 Acq: 03 Jun 2025 15:20

Tgt Ion: 114 Resp: 130148
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 18.3 0.0 33.6

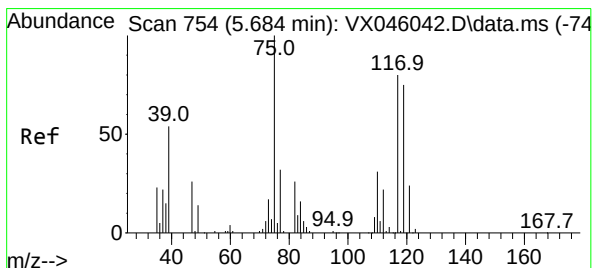
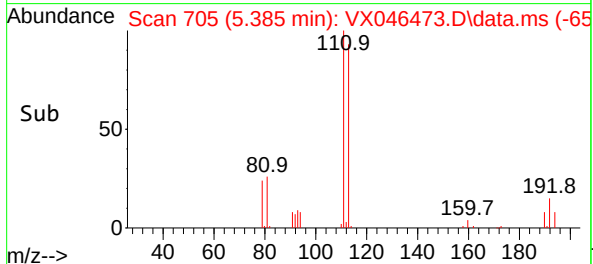
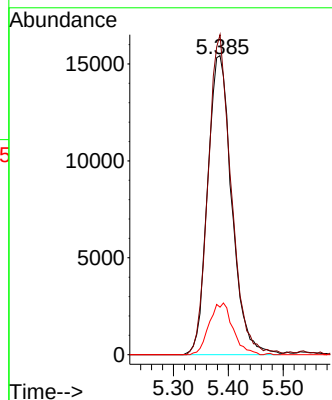
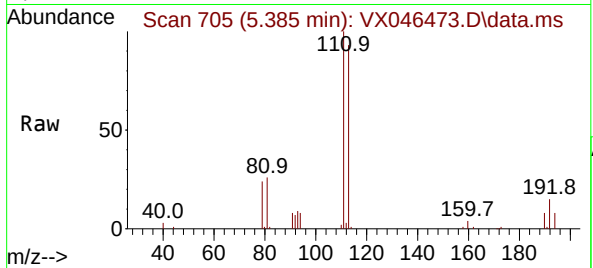




#35
Dibromofluoromethane
Concen: 50.278 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

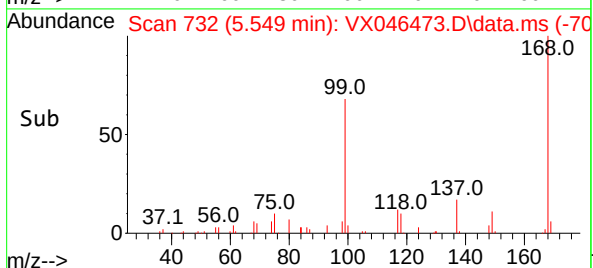
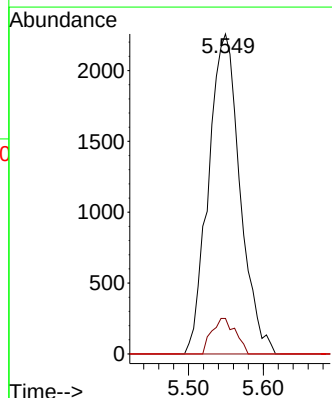
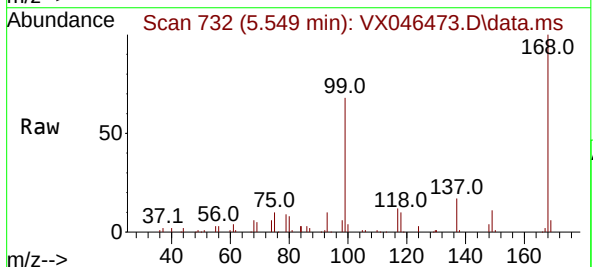
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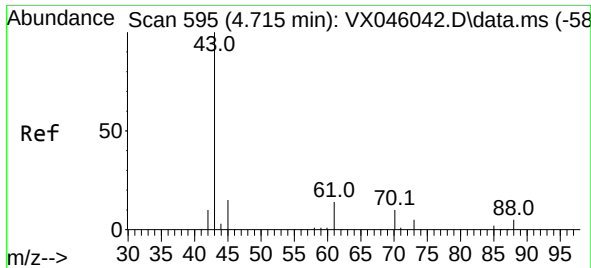
Tgt Ion:113 Resp: 47121
Ion Ratio Lower Upper
113 100
111 102.7 83.1 124.7
192 17.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.268 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.135 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Tgt Ion: 75 Resp: 6634
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.3 36.5#

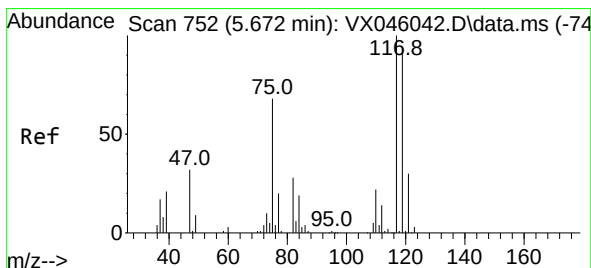
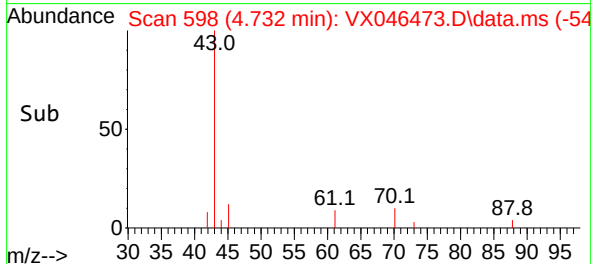
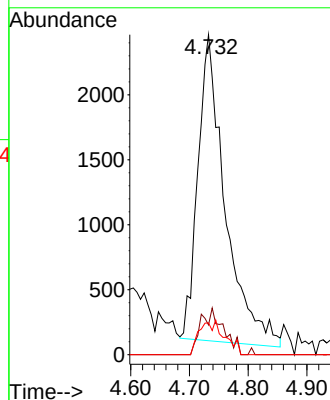
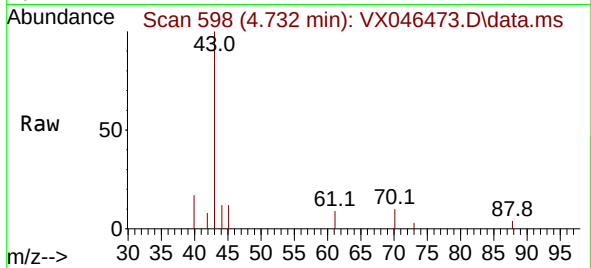




#37
Ethyl Acetate
Concen: 4.865 ug/l
RT: 4.732 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

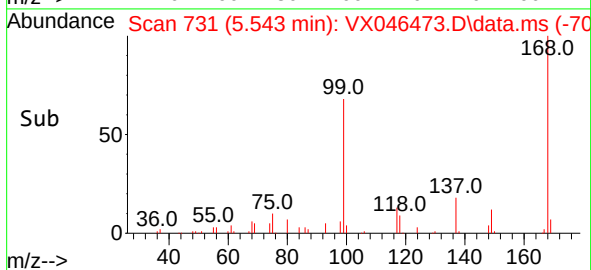
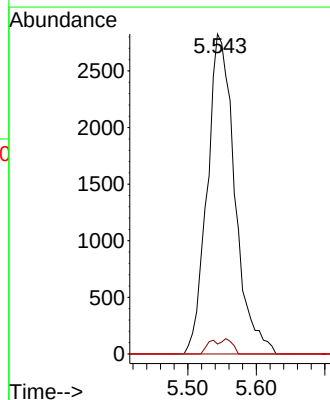
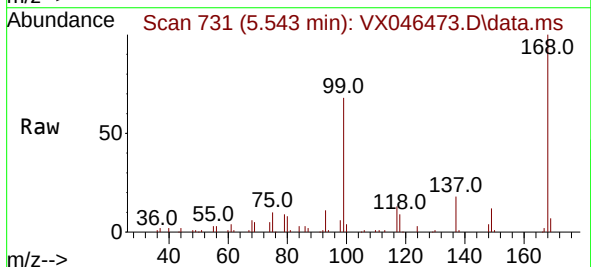
Instrument :
MSVOA_X
ClientSampleId :
TP04-MHG-WC

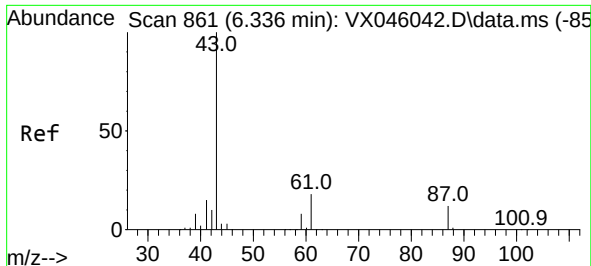
Tgt Ion: 43 Resp: 7569
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 10.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 5.578 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Tgt Ion: 117 Resp: 7892
Ion Ratio Lower Upper
117 100
119 3.1 75.2 112.8#
121 0.0 24.2 36.4#

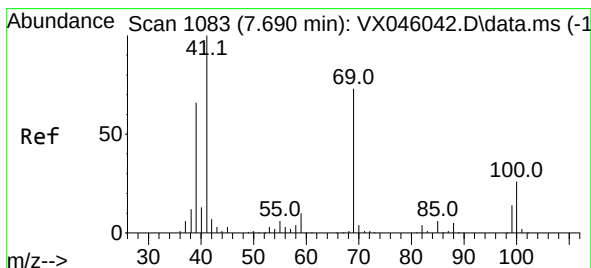
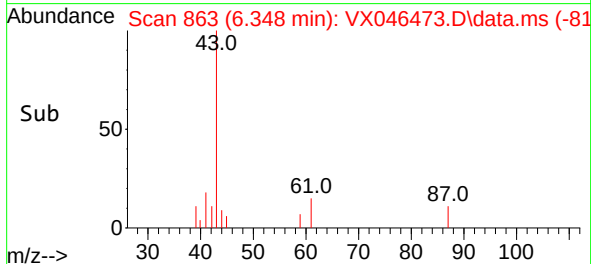
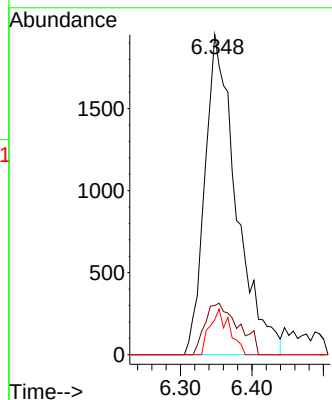
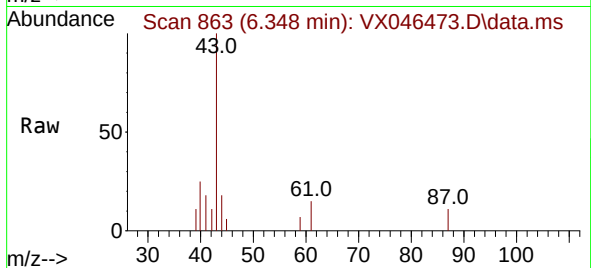




#43
Isopropyl Acetate
Concen: 2.515 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

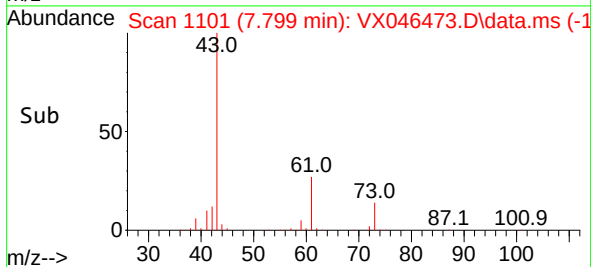
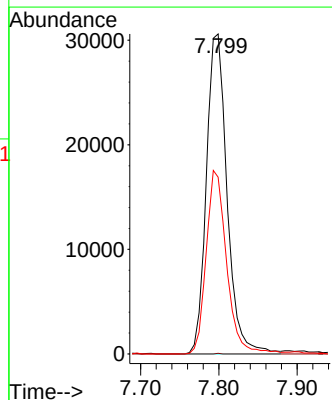
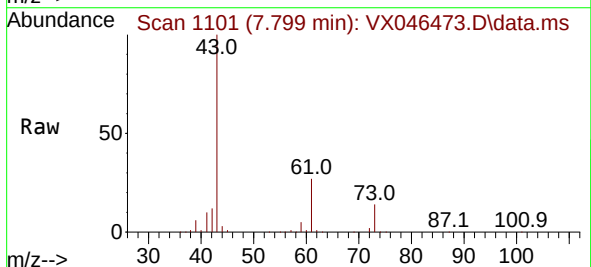
Instrument :
MSVOA_X
ClientSampleId :
TP04-MHG-WC

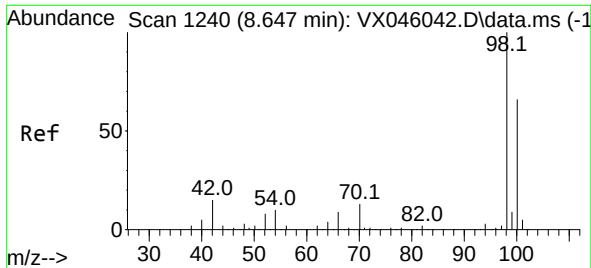
Tgt Ion: 43 Resp: 5969
Ion Ratio Lower Upper
43 100
61 17.0 14.3 21.5
87 8.9 9.5 14.3#



#48
Methyl methacrylate
Concen: 46.301 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Tgt Ion: 41 Resp: 56123
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.8 51.7 77.5

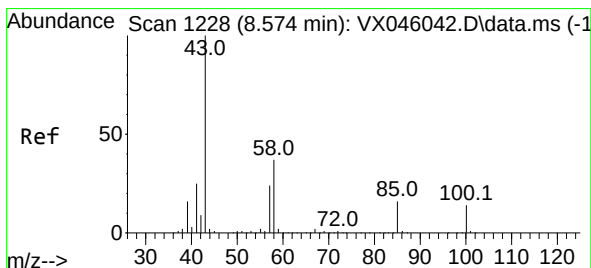
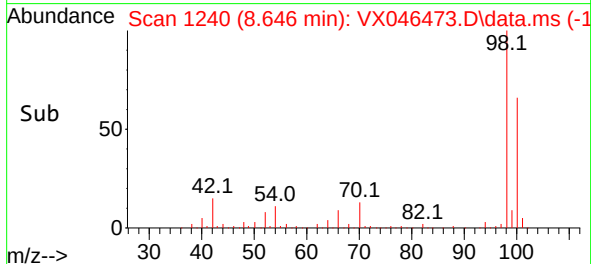
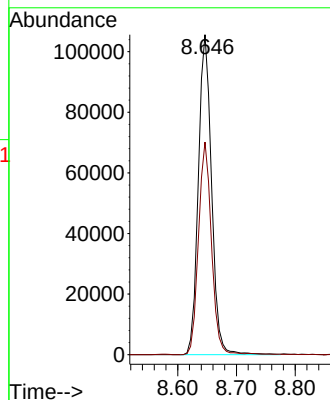
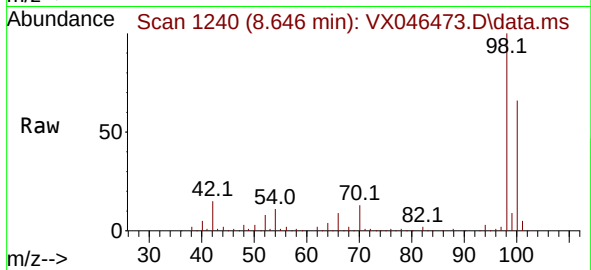




#50
Toluene-d8
Concen: 50.929 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

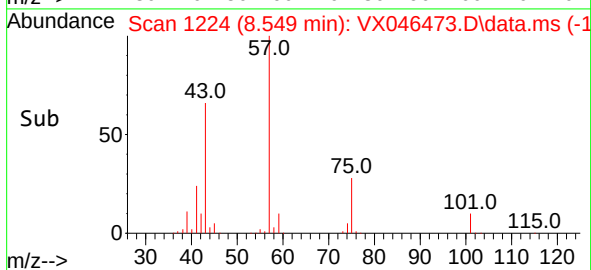
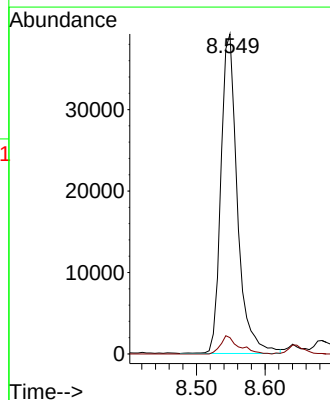
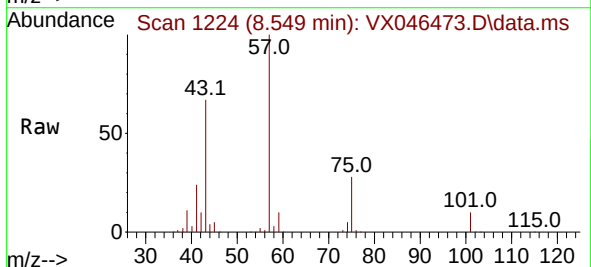
Instrument :
MSVOA_X
ClientSampleId :
TP04-MHG-WC

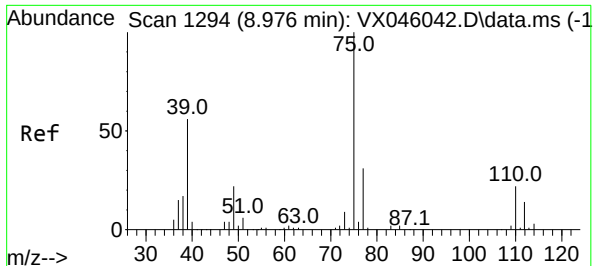
Tgt Ion: 98 Resp: 165203
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 41.423 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Tgt Ion: 43 Resp: 65260
Ion Ratio Lower Upper
43 100
58 6.3 28.9 43.3#





#53

t-1,3-Dichloropropene

Concen: 0.258 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX046473.D

Acq: 03 Jun 2025 15:20

Instrument :

MSVOA_X

ClientSampleId :

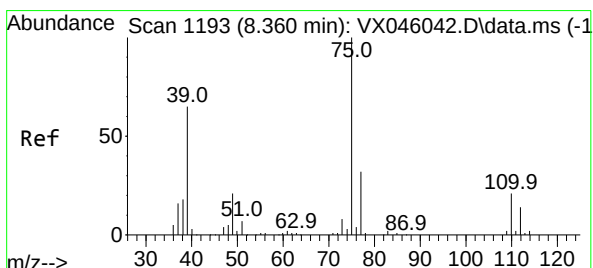
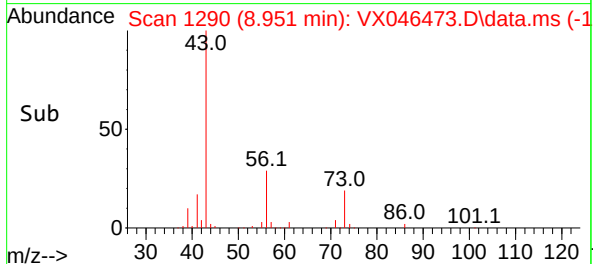
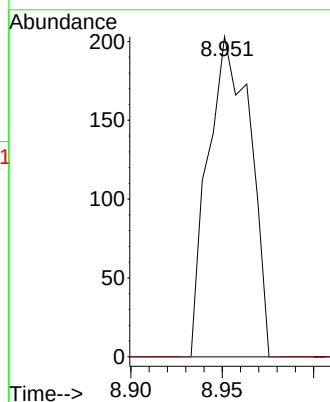
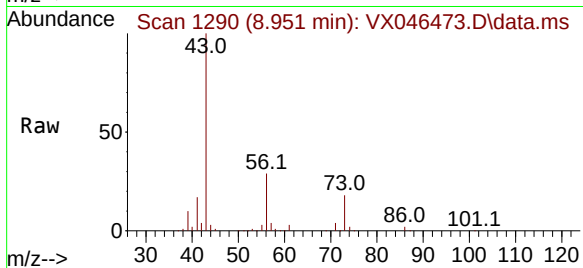
TP04-MHG-WC

Tgt Ion: 75 Resp: 327

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#



#54

cis-1,3-Dichloropropene

Concen: 18.323 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.189 min

Lab File: VX046473.D

Acq: 03 Jun 2025 15:20

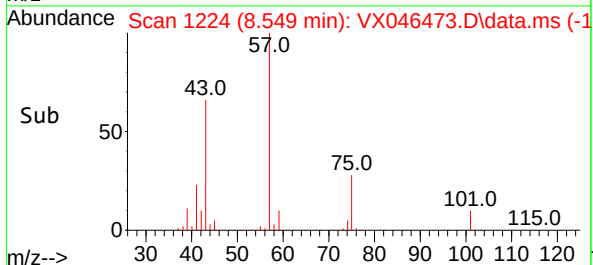
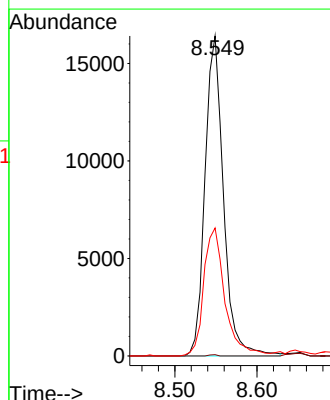
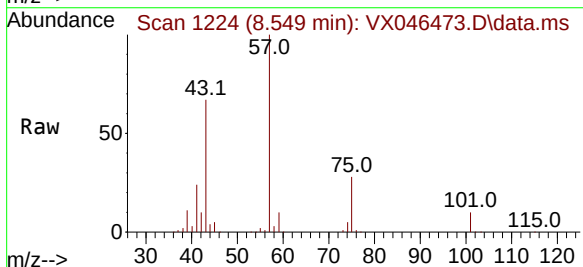
Tgt Ion: 75 Resp: 25645

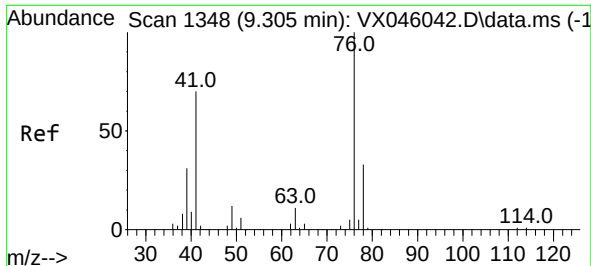
Ion Ratio Lower Upper

75 100

77 0.4 25.4 38.0#

39 40.0 52.2 78.4#

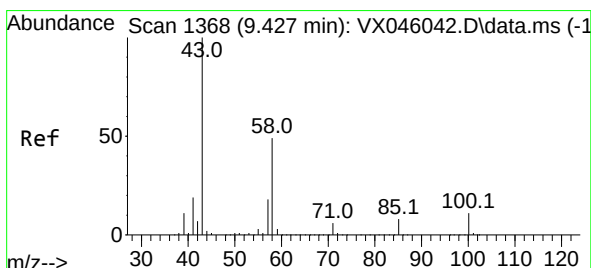
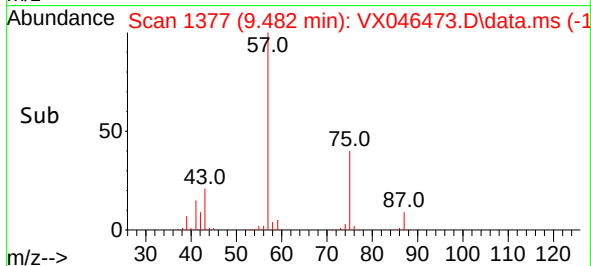
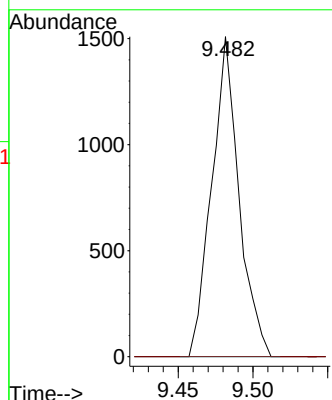
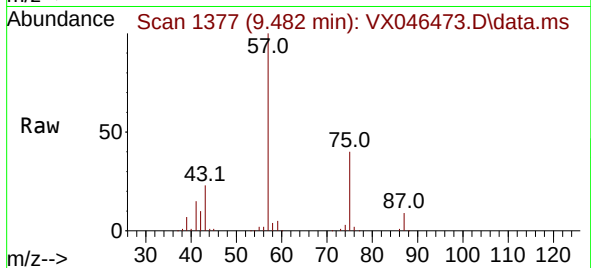




#57
1,3-Dichloropropane
Concen: 1.193 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

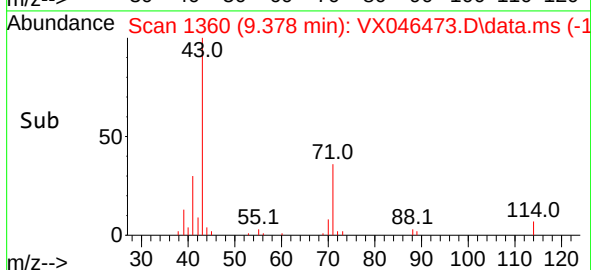
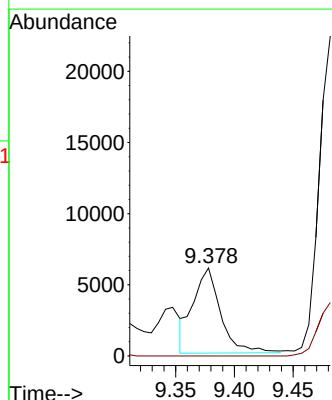
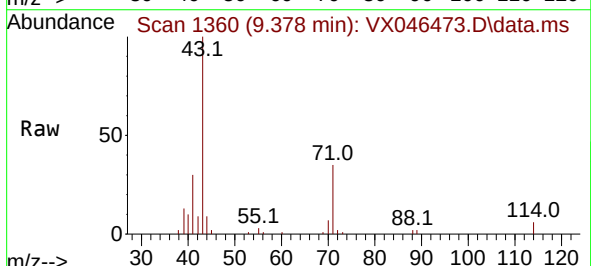
Instrument :
MSVOA_X
ClientSampleId :
TP04-MHG-WC

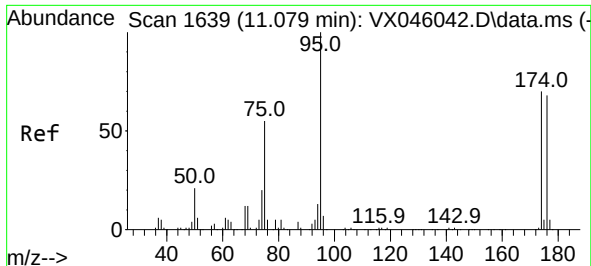
Tgt Ion: 76 Resp: 1910
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 8.404 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Tgt Ion: 43 Resp: 9796
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

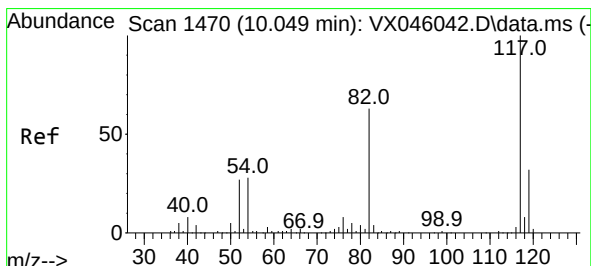
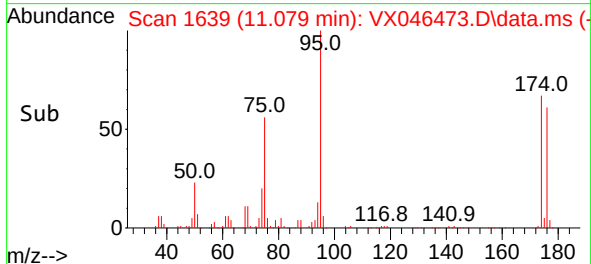
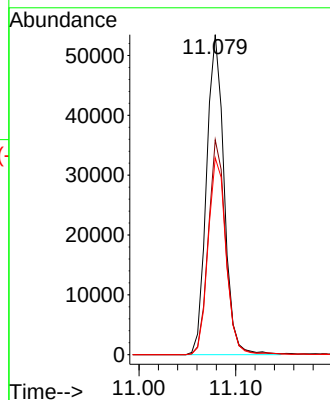
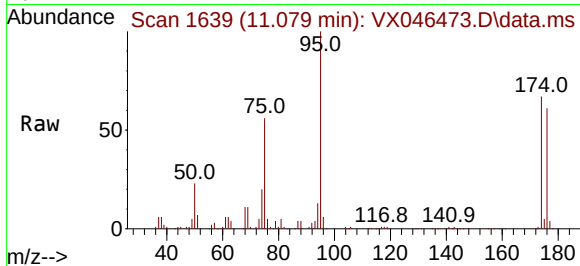




#62
4-Bromofluorobenzene
Concen: 54.407 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

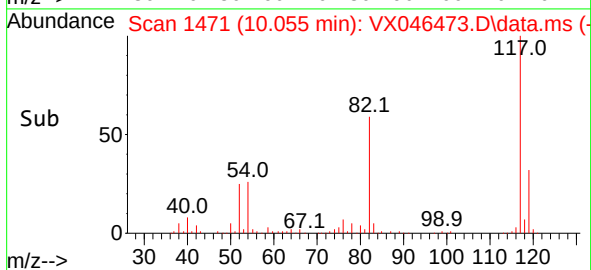
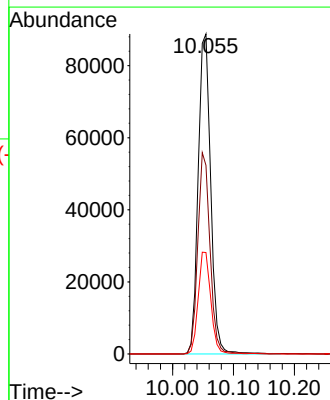
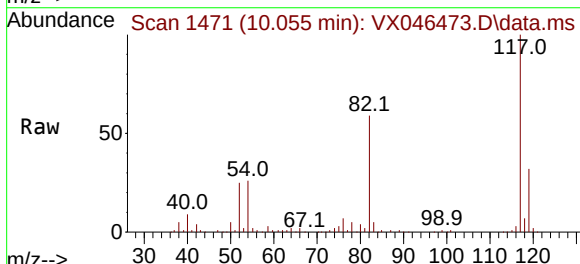
Instrument :
MSVOA_X
ClientSampleId :
TP04-MHG-WC

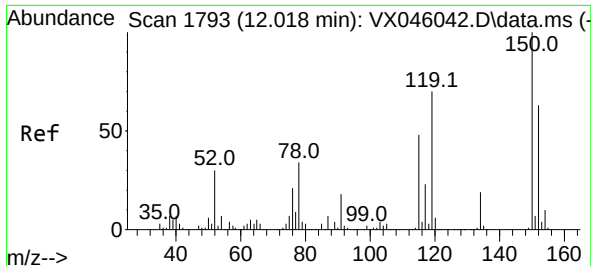
Tgt Ion: 95 Resp: 67697
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.8
176 63.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046473.D
Acq: 03 Jun 2025 15:20

Tgt Ion: 117 Resp: 126609
Ion Ratio Lower Upper
117 100
82 59.0 50.6 76.0
119 31.7 25.8 38.6

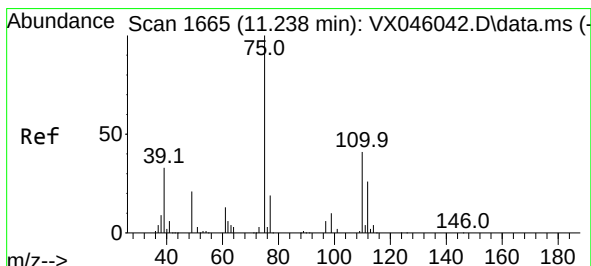
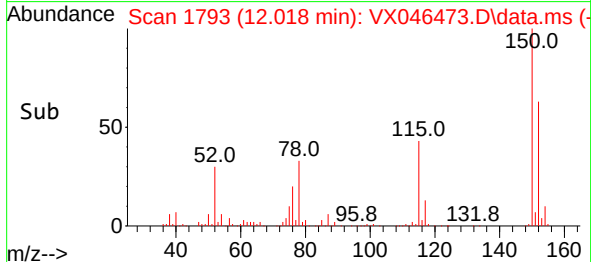
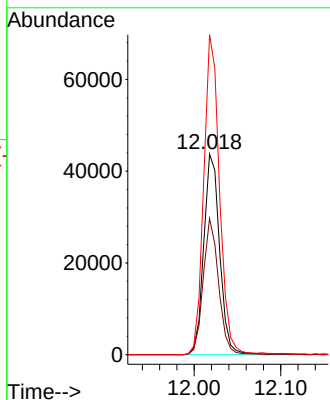
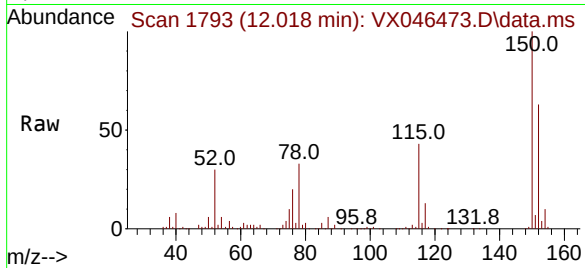




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046473.D
 Acq: 03 Jun 2025 15:20

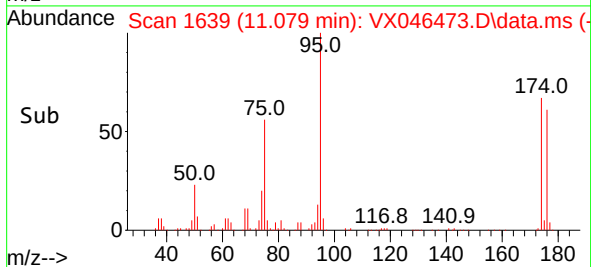
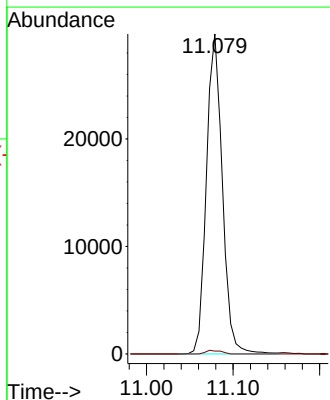
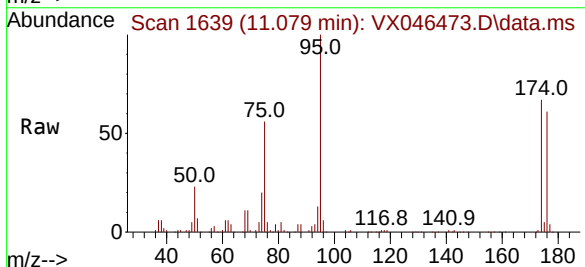
Instrument :
 MSVOA_X
 ClientSampleId :
 TP04-MHG-WC

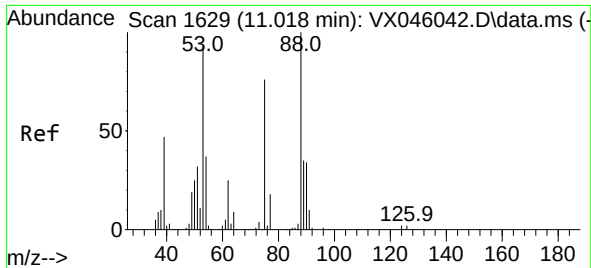
Tgt Ion:152 Resp: 55821
 Ion Ratio Lower Upper
 152 100
 115 65.6 46.9 140.7
 150 158.6 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.284 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046473.D
 Acq: 03 Jun 2025 15:20

Tgt Ion: 75 Resp: 38004
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.085 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.060 min
 Lab File: VX046473.D
 Acq: 03 Jun 2025 15:20

Instrument :
 MSVOA_X
 ClientSampleId :
 TP04-MHG-WC

Tgt Ion: 75 Resp: 38004
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

